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L10: Entry 1 of 1

File: DWPI

Sep 10, 1999

DERWENT-ACC-NO: 2000-547623

DERWENT-WEEK: 200050

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TITLE: Information carrier for protection of articles with identification contrast image against faking**INVENTOR:** ASHKINAZII YA, M; CHEGLAKOV, A V ; RAKHOVSKII, V I**PATENT-ASSIGNEE:** AV-TEKHOLOGIYA STOCK CO (AVTER)**PRIORITY-DATA:** 1998RU-0120670 (November 20, 1998)[Search Selected](#) [Search All](#) [Clear](#)**PATENT-FAMILY:**

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> RU 2137197 C1	September 10, 1999		000	G07D007/00

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
RU 2137197C1	November 20, 1998	1998RU-0120670	

INT-CL (IPC): G06 K 19/08; G07 D 7/00**ABSTRACTED-PUB-NO:** RU 2137197C**BASIC-ABSTRACT:**

NOVELTY - One label from set of protection labels is designed as image which identical to identification contrast image of article. Information carrier has base, which has region which is made from magnetic material, shaped as strip and is covered from visual perception by code data.

DETAILED DESCRIPTION - One protection label is designed as image which is subjected to cryptographic modulation using key k, of at least part of identification contrast image of article. Another protection label is made from material which has stochastic mix of at least two stable isotopes with different atomic weights. These label is detected by means of unit for detection of reference stochastic values for ratio of weight of isotopes with different atomic weights.

USE - Detection of authenticity of bank notes, securities, credit documents, standard labels of articles.

ADVANTAGE - Optical detection of information field of information carrier. 2 cl, 1 dwg

ABSTRACTED-PUB-NO: RU 2137197C
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg .1/1

DERWENT-CLASS: T04 T05
EPI-CODES: T04-C01; T05-H02C5A;

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9/182279
Hit List

Search Results - Record(s) 1 through 9 of 9 returned.

1. Document ID: *✓* US 20050038756 A1

Using default format because multiple data bases are involved.

L4: Entry 1 of 9

File: PGPB

Feb 17, 2005

PGPUB-DOCUMENT-NUMBER: 20050038756

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050038756 A1

TITLE: System and method for production and authentication of original documents

PUBLICATION-DATE: February 17, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Nagel, Robert H.	New York	NY	US	

US-CL-CURRENT: 705/76 ✓

-
2. Document ID: *✓* US 20040112962 A1

L4: Entry 2 of 9

File: PGPB

Jun 17, 2004

PGPUB-DOCUMENT-NUMBER: 20040112962

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040112962 A1

TITLE: Security, identification and verification systems

PUBLICATION-DATE: June 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Farrall, Andrew John	Yatton		GB	
Barfoot, Keith Michael	Colyford		GB	

US-CL-CURRENT: 235/462.01

3. Document ID: US 20030141358 A1

L4: Entry 3 of 9

File: PGPB

Jul 31, 2003

PGPUB-DOCUMENT-NUMBER: *✓* 20030141358
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030141358 A1

TITLE: Product verification and authentication system and method

PUBLICATION-DATE: July 31, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hudson, Philip	Hants		GB	
Drinkwater, John	Hants		GB	

US-CL-CURRENT: 235/375[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn D](#) 4. Document ID: US 20020143671 A1

L4: Entry 4 of 9

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: *✓* 20020143671
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020143671 A1

TITLE: Method and system for preventing parallel marketing of wholesale and retail items

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Afzali-Ardakani, Ali	Yorktown Heights	NY	US	
Feger, Claudius	Croton-on-Hudson	NY	US	
Martens, Marco	Chappaqua	NY	US	
Moskowitz, Paul Andrew	Yorktown Heights	NY	US	
Schrott, Alejandro Gabriel	New York	NY	US	
Tresser, Charles P.	Mamaroneck	NY	US	
Gutfeld, Robert Jacob von	New York	NY	US	

US-CL-CURRENT: 705/28; 118/712, 427/162, 427/402, 427/427.4, 427/430.1, 427/558,
427/8[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn D](#)

5. Document ID: US 6817538 B2

L4: Entry 5 of 9

File: USPT

Nov 16, 2004

US-PAT-NO: 6817538

DOCUMENT-IDENTIFIER: US 6817538 B2

TITLE: Method and system for preventing parallel marketing of wholesale and retail items

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Claims](#) | [KOMC](#) | [Drawn De](#)

6. Document ID: US 6746053 B1

L4: Entry 6 of 9

File: USPT

Jun 8, 2004

US-PAT-NO: 6746053

DOCUMENT-IDENTIFIER: US 6746053 B1

TITLE: System for preventing parallel marketing of retail items

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Claims](#) | [KOMC](#) | [Drawn De](#)

7. Document ID: US 6226619 B1

L4: Entry 7 of 9

File: USPT

May 1, 2001

US-PAT-NO: 6226619

DOCUMENT-IDENTIFIER: US 6226619 B1

TITLE: Method and system for preventing counterfeiting of high price wholesale and retail items

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Claims](#) | [KOMC](#) | [Drawn De](#)

8. Document ID: US 6069955 A

L4: Entry 8 of 9

File: USPT

May 30, 2000

US-PAT-NO: 6069955

DOCUMENT-IDENTIFIER: US 6069955 A

TITLE: System for protection of goods against counterfeiting

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Claims](#) | [KOMC](#) | [Drawn De](#)

9. Document ID: US 5974150 A

L4: Entry 9 of 9

File: USPT

Oct 26, 1999

US-PAT-NO: 5974150

DOCUMENT-IDENTIFIER: US 5974150 A

TITLE: System and method for authentication of goods

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KOMC](#) | [Drawn D](#)[Clear](#) | [Generate Collection](#) | [Print](#) | [Fwd Refs](#) | [Bkwd Refs](#) | [Generate GACS](#)

Terms	Documents
L3 and (protect\$ with (goods or article or item) with counterfeit\$)	9

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L1: Entry 1 of 1

File: USPT

May 30, 2000

US-PAT-NO: 6069955

DOCUMENT-IDENTIFIER: US 6069955 A

TITLE: System for protection of goods against counterfeiting

DATE-ISSUED: May 30, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coppersmith; Don	Ossining	NY		
Greengard; Claude A.	Chappaqua	NY		
Tresser; Charles P.	Mamaroneck	NY		
Wu; Chai Wah	Ossining	NY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
International Business Machines Corporation	Armonk	NY			02

APPL-NO: 09/ 060026 [PALM]

DATE FILED: April 14, 1998

INT-CL: [07] G09 C 5/00 H04 L 9/00

32

US-CL-ISSUED: 380/54, 380/200, 380/202, 380/55, 382/284, 382/232, 382/260, 382/270, 713/176

US-CL-CURRENT: 380/54, 380/200, 380/202, 380/55, 382/232, 382/260, 382/270, 382/284, 713/176

FIELD-OF-SEARCH: 382/284, 382/232, 382/260, 382/270, 380/54, 380/55, 380/200, 380/202, 713/176

PRIOR-ART-DISCLOSED:

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
2306938A	February 1996	GB	
2325765A	February 1996	GB	

OTHER PUBLICATIONS

Schyndel et al., "Toward a robust digital watermark", Dept. of Physics, Monash

University, Clayton, 3168, Australia.
Plimmer, "Digital protection in a digital age", from SPIE vol.3314, pp. 132-139, 1998.
Schyndel et al., "A digital water mark", from Image Processing, Proceedings, ICIP-94, IEEE Inter. Conf., vol.2, pp. 86-90, 1994.
Tirkel et al., "A two-dimensional digital watermark", from Scientific Technology, P.O. Box 3018, Gendy Brighton, Australia 3186.
Tirkel et al., "Image water marking--a spread spectrum application", from Spread spectrum Techniques and Applications Proceedings, IEEE 4th Inter. Symposium, vol.2, pp. 785-789, 1996.
Anderson et al., "Risk management monograph", Journal of Retail Delivery Strategies, vol. 6, pp. 7-22, Aug. 1995.
Berger, "System security trends", ABA Bank Security & Fraud Prevention, vol. 4, No. 9, pp. 8-11, Sep. 1997.
NEFT Deals with the network audit dilemma", Anonymous Bank Network News, vol. 13, No. 1, pp. 5-8, May 27, 1994.
Weinberg, "No worries: there's no reason to trouble yourself with an IPv6 upgrade yet, though you may want to jot it down in your five-year planner", Network Work Jour.

ART-UNIT: 274

PRIMARY-EXAMINER: Trammell, James P.

ASSISTANT-EXAMINER: Nguyen, Cuong H.

ATTY-AGENT-FIRM: Whitham, Curtis & Whitham Kaufman, Esq.; Stephen C.

ABSTRACT:

A visible seal or label containing a serial number is placed in plain view on the product packaging. The visible label contains the serial number as well as a first public key encrypted version of the serial number. A second or hidden label inside of the package has thereon a second a second encrypted version of the serial number made using a second public key. The hidden label may be secured inside of the package out of sight or may be placed on the back of the visible label and therefore viewable through a transparent case when opened or visible when peeled off. The private keys are known only to the manufacturer. Using a corresponding public key provided by the manufacturer, the consumer, law enforcement agent, or customs inspector can verify that the encrypted version matches the serial number. An advantage to this method is that only the manufacturer can produce matching pairs. Moreover, using a point of sale machine equipped with the public key the sales clerk can authenticate the product in front of the consumer at point of purchase. Additionally, in the case of a CD or other digital medium, the hidden label may comprise a digital watermark of the encrypted serial number such that a consumer, law enforcement agency, or customs inspector can readily detect a counterfeit product.

17 Claims, 5 Drawing figures

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L4: Entry 4 of 9

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020143671
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020143671 A1

TITLE: Method and system for preventing parallel marketing of wholesale and retail items

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Afzali-Ardakani, Ali	Yorktown Heights	NY	US	
Feger, Claudius	Croton-on-Hudson	NY	US	
Martens, Marco	Chappaqua	NY	US	
Moskowitz, Paul Andrew	Yorktown Heights	NY	US	
Schrott, Alejandro Gabriel	New York	NY	US	
Tresser, Charles P.	Mamaroneck	NY	US	
Gutfeld, Robert Jacob von	New York	NY	US	

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	COUNTRY	TYPE	CODE
International Business Machines Corporation	Armonk	NY		02	

APPL-NO: 10/ 147868 [PALM]

DATE FILED: May 20, 2002

RELATED-US-APPL-DATA:

Application 10/147868 is a division-of US application 09/182280, filed October 29, 1998, PENDING

INT-CL: [07] G06 F 17/60, B05 D 5/06, B05 D 1/36, B05 D 1/18, B05 D 3/06, B05 D 1/02

US-CL-PUBLISHED: 705/28, 427/162, 427/8, 427/558, 427/421, 427/402, 427/430.1
US-CL-CURRENT: 705/28, 118/712, 427/162, 427/402, 427/427.4, 427/430.1, 427/558, 427/8

REPRESENTATIVE-FIGURES: 5

ABSTRACT:

diff method
A system and method for detecting parallel marketing of an item, include forming at least one of a coating and a code on the item, interrogating the at least one of the coating and said code, and determining from the interrogating whether the item has been transferred from an authorized merchant to an unauthorized merchant.

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] The present application is related to U.S. patent application Ser. No. 09/_____, ____ filed on _____, to Arnold Halperin et al., entitled "METHOD AND SYSTEM FOR PREVENTING COUNTERFEITING OF HIGH PRICE WHOLESALE AND RETAIL ITEMS" having IBM Docket No. Y0998-287, assigned to the present assignee, and incorporated herein by reference, and to U.S. patent application Ser. No. 09/_____, ____ filed on _____, to Don Coppersmith et al., entitled "SYSTEM FOR PROTECTION OF GOODS AGAINST COUNTERFEITING" having IBM Docket No. Y0998-313, assigned to the present assignee, and incorporated herein by reference.

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L4: Entry 5 of 9

File: USPT

Nov 16, 2004

US-PAT-NO: 6817538

DOCUMENT-IDENTIFIER: US 6817538 B2

TITLE: Method and system for preventing parallel marketing of wholesale and retail items

DATE-ISSUED: November 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Afzali-Ardakani; Ali	Yorktown Heights	NY		
Feger; Claudius	Croton-on-Hudson	NY		
Martens; Marco	Chappaqua	NY		
Moskowitz; Paul Andrew	Yorktown Heights	NY		
Schrott; Alejandro Gabriel	New York	NY		
Tresser; Charles P.	Mamaroneck	NY		
von Gutfeld; Robert Jacob	New York	NY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE ZIP CODE	COUNTRY	TYPE CODE
International Business Machines Corporation	Armonk NY			02

APPL-NO: 10/ 147868 [PALM]

DATE FILED: May 20, 2002

PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATIONS The present Application is a Divisional Application of U.S. patent application Ser. No. 09/182,280 filed on Oct. 29, 1998. The present application is related to U.S. patent application Ser. No. 09/182,269, filed on Oct. 29, 1998, now U.S. Pat. No. 6,226,619 to Arnold Halperin et al., entitled "METHOD AND SYSTEM FOR PREVENTING COUNTERFEITING OF HIGH PRICE WHOLESALE AND RETAIL ITEMS" having IBM, assigned to the present assignee, and incorporated herein by reference, and to U.S. patent application Ser. No. 09/182,279 filed on Oct. 29, 1998, to Don Coppersmith et al., entitled "SYSTEM FOR PROTECTION OF GOODS AGAINST COUNTERFEITING" having IBM, assigned to the present assignee, and incorporated herein by reference.

INT-CL: [07] G06 K 19/06, B44 F 1/12, B42 D 15/00

US-CL-ISSUED: 235/494, 427/7, 427/165, 427/275, 427/287, 427/307, 427/309, 283/70, 283/72, 283/82, 283/92

US-CL-CURRENT: 235/494, 283/70, 283/72, 283/82, 283/92, 427/165, 427/255, 427/287, 427/307, 427/309, 427/7

FIELD-OF-SEARCH: 308/54, 283/72, 283/82, 283/89, 283/92, 283/74, 283/83, 283/84, 283/85, 283/86, 283/91, 283/107, 283/109, 283/110, 427/1, 427/7, 427/165, 427/157,

427/275, 427/287, 427/307, 427/309, 427/258, 427/162, 106/31.13-31.15, 380/54,
235/462.01, 235/462.04, 235/462.42, 235/491, 235/494, 235/454, 252/301.4F, 348/241,
348/243, 348/697, 327/310

PRIOR-ART-DISCLOSED:

U. S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>3887742</u>	June 1975	Reinnagel	
<input type="checkbox"/> <u>3955295</u>	May 1976	Mayer	283/82
<input type="checkbox"/> <u>4025673</u>	May 1977	Reinnagel	
<input type="checkbox"/> <u>4238524</u>	December 1980	LaLiberte et al.	427/7
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<input type="checkbox"/> <u>4463970</u>	August 1984	Kaule et al.	283/72
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<input type="checkbox"/> <u>5005873</u>	April 1991	West	283/92
<input type="checkbox"/> <u>5109153</u>	April 1992	Johnsen et al.	235/468
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<input type="checkbox"/> <u>5837042</u>	November 1998	Lent et al.	106/31.14
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<input type="checkbox"/> <u>5876820</u>	March 1999	Koike et al.	
<input type="checkbox"/> <u>5919553</u>	July 1999	Kavanaugh	428/195
<input type="checkbox"/> <u>5928708</u>	July 1999	Hansmire et al.	427/1
<input type="checkbox"/> <u>5971276</u>	October 1999	Sano et al.	235/462.01
<input type="checkbox"/> <u>6076859</u>	June 2000	Hall et al.	283/89
<input type="checkbox"/> <u>6123263</u>	September 2000	Feng	235/462.42
<input type="checkbox"/> <u>6138913</u>	October 2000	Cyr et al.	235/468
<input type="checkbox"/> <u>6155605</u>	December 2000	Bratchley et al.	
<input type="checkbox"/> <u>6200628</u>	March 2001	Rozumek et al.	427/7
<input type="checkbox"/> <u>6246778</u>	June 2001	Moore	

<input type="checkbox"/> <u>6270728</u>	August 2001	Wijnschenk et al.	422/102
<input type="checkbox"/> <u>6330939</u>	December 2001	Pratt	
<input type="checkbox"/> <u>6354502</u>	March 2002	Hagstrom et al.	235/462.04
<input type="checkbox"/> <u>6384409</u>	May 2002	Libbey et al.	250/271
<input type="checkbox"/> <u>6456729</u>	September 2002	Moore	382/103
<input type="checkbox"/> <u>6502756</u>	January 2003	F.ang.hraeus	235/494
<input type="checkbox"/> <u>6558768</u>	May 2003	Noguchi et al.	
<input type="checkbox"/> <u>6589626</u>	July 2003	Selinfreund et al.	
<input type="checkbox"/> <u>2002/0017560</u>	February 2002	Mos et al.	
<input type="checkbox"/> <u>2002/0021001</u>	February 2002	Stratford et al.	
<input type="checkbox"/> <u>2002/0074412</u>	June 2002	Stebbins et al.	
<input type="checkbox"/> <u>2002/0081382</u>	June 2002	Stebbins et al.	
<input type="checkbox"/> <u>2002/0097833</u>	July 2002	Kaiser et al.	378/45
<input type="checkbox"/> <u>2002/0143671</u>	October 2002	Afzali-Ardakani et al.	
<input type="checkbox"/> <u>2002/0158137</u>	October 2002	Grey et al.	235/494
<input type="checkbox"/> <u>2002/0197510</u>	December 2002	Drew et al.	

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
2 101 376	January 1983	GB	
2 289 150	November 1995	GB	
2 312 307	October 1997	GB	
2001062938	March 2003	JP	
WO 84/03019	August 1984	WO	

ART-UNIT: 2876

PRIMARY-EXAMINER: Frech; Karl D.

ASSISTANT-EXAMINER: Walsh; Daniel

ATTY-AGENT-FIRM: Kaufman, Esq.; Stephen C. McGinn & Gibb, PLLC

ABSTRACT:

A system and method for detecting parallel marketing of an item, include forming at least one of a coating and a code on the item, interrogating the at least one of the coating and said code, and determining from the interrogating whether the item has been transferred from an authorized merchant to an unauthorized merchant.

w/ diff means

7 Claims, 5 Drawing figures

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L4: Entry 6 of 9

File: USPT

Jun 8, 2004

US-PAT-NO: 6746053

DOCUMENT-IDENTIFIER: US 6746053 B1

TITLE: System for preventing parallel marketing of retail items

DATE-ISSUED: June 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Afzali-Ardakani; Ali	Yorktown Heights	NY		
Feger; Claudius	Croton-on-Hudson	NY		
Martens; Marco	Chappaqua	NY		
Moskowitz; Paul Andrew	Yorktown Heights	NY		
Schrott; Alejandro Gabriel	New York	NY		
Tresser; Charles P.	Mamaroneck	NY		
von Gutfeld; Robert Jacob	New York	NY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
International Business Machines Corporation	Armonk	NY			02	

APPL-NO: 09/ 182280 [PALM]

DATE FILED: October 29, 1998

PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATIONS The present application is related to U.S. patent application Ser. No. 09/182,269, now U.S. Pat. No. 6,226.619, filed on Oct. 29, 1998, to Arnold Halperin et al., entitled "METHOD AND SYSTEM FOR PREVENTING COUNTERFEITING OF HIGH PRICE WHOLESALE AND RETAIL US" having IBM Docket No. Y0998-287, assigned to the present assignee, and incorporated herein by reference, and to U.S. patent application Ser. No. 09/182,279, filed on Oct. 29, 1998, to Don Coppersmith et al., entitled "SYSTEM FOR PROTECTION OF GOODS AGAINST COUNTERFEITING" having IBM Docket No. Y0998-313, assigned to the present assignee, and incorporated herein by reference.

INT-CL: [07] B42 D 15/00

US-CL-ISSUED: 283/72; 283/91, 283/113, 235/435, 235/454, 235/462.01, 235/462.13, 235/491, 428/29, 428/40.2, 428/41.6, 428/64.4, 428/211, 428/913, 427/197, 427/198, 427/256, 705/28, 206/495.5, 340/572.1, 340/5.91, 340/5.86, 340/5.9, 340/568.1, 340/571, 340/572.8, 340/572.9, 340/618, 340/619, 340/620, 340/621

US-CL-CURRENT: 283/72; 206/459.5, 235/435, 235/454, 235/462.01, 235/462.13, 235/491, 283/113, 283/91, 340/5.86, 340/5.9, 340/5.91, 340/568.1, 340/571, 340/572.1, 340/572.8, 340/572.9, 340/618, 340/619, 340/620, 340/621, 427/197, 427/198, 427/256, 428/211.1, 428/29, 428/40.2, 428/41.6, 428/64.4, 428/913, 705/28

FIELD-OF-SEARCH: 283/72, 283/91, 283/113, 705/28, 235/462.01, 235/462.13, 235/435, 235/491, 235/454, 427/197, 427/198, 427/256, 428/64.4, 428/29, 428/211, 428/41.6, 428/40.2, 428/913, 206/459.5

PRIOR-ART-DISCLOSED:

U. S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>3887742</u>	June 1975	Reinnagel	428/211.1
<input type="checkbox"/> <u>3955295</u>	May 1976	Mayer	
<input type="checkbox"/> <u>3959630</u>	May 1976	Hogberg	235/491
<input type="checkbox"/> <u>4025673</u>	May 1977	Reinnagel	428/29
<input type="checkbox"/> <u>4238524</u>	December 1980	LaLiberte et al.	
<input type="checkbox"/> <u>4463970</u>	August 1984	Kaule et al.	
<input type="checkbox"/> <u>4501439</u>	February 1985	Antes	283/91
<input type="checkbox"/> <u>4686515</u>	August 1987	Anderson et al.	340/5.8
<input type="checkbox"/> <u>4710614</u>	December 1987	Camus	238/380
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<input type="checkbox"/> <u>5767772</u>	June 1998	Lemaire et al.	340/571
<input type="checkbox"/> <u>5837042</u>	November 1998	Lent et al.	106/31.14
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<input type="checkbox"/> <u>5928708</u>	July 1999	Hansmire et al.	427/1
<input type="checkbox"/> <u>5971276</u>	October 1999	Sano et al.	236/462.01
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<input type="checkbox"/> <u>6226619</u>	May 2001	Halperin et al.	705/1

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<input type="checkbox"/> <u>6330939</u>	December 2001	Pratt	194/206
<input type="checkbox"/> <u>6386671</u>	May 2002	Huston et al.	235/462.08
<input type="checkbox"/> <u>6477134</u>	November 2002	Stebbins et al.	369/272
<input type="checkbox"/> <u>6558768</u>	May 2003	Noguchi et al.	428/64.1
<input type="checkbox"/> <u>6589626</u>	July 2003	Selinfreund et al.	428/64.1
<input type="checkbox"/> <u>2002/0017560</u>	February 2002	Mos et al.	235/435
<input type="checkbox"/> <u>2002/0021001</u>	February 2002	Stratford et al.	283/74
<input type="checkbox"/> <u>2002/0074412</u>	June 2002	Stebbins et al.	235/487
<input type="checkbox"/> <u>2002/0081382</u>	August 2002	Stebbins et al.	427/256
<input type="checkbox"/> <u>2002/0130186</u>	September 2002	Lasch et al.	235/488
<input type="checkbox"/> <u>2002/0143671</u>	October 2002	Afzali-Ardakani et al.	705/28
<input type="checkbox"/> <u>2002/0145049</u>	October 2002	Lasch et al.	235/488
<input type="checkbox"/> <u>2003/0030558</u>	February 2003	Stevenson et al.	340/572.1

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2 101 376	January 1983	GB	
2 289 150	November 1995	GB	
2 312 307	October 1997	GB	
WO 84/03019	August 1984	WO	

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British Search Report dated Dec. 13, 1999.

ART-UNIT: 3722

PRIMARY-EXAMINER: Banks; Derris H.

ASSISTANT-EXAMINER: Henderson; Mark T.

ATTY-AGENT-FIRM: Kaufman, Esq.; Stephen C. McGinn & Gibb, PLLC

ABSTRACT:

by & means

A system and method for detecting parallel marketing of an item, include forming at least one of a coating and a code on the item, interrogating the at least one of the coating and said code, and determining from the interrogating whether the item has been transferred from an authorized merchant to an unauthorized merchant.

13 Claims, 5 Drawing figures

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L4: Entry 7 of 9

File: USPT

May 1, 2001

US-PAT-NO: 6226619

DOCUMENT-IDENTIFIER: US 6226619 B1

TITLE: Method and system for preventing counterfeiting of high price wholesale and retail items

DATE-ISSUED: May 1, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Halperin; Arnold	Cortlandt Manor	NY		
Moskowitz; Paul Andrew	Yorktown Heights	NY		
Schrott; Alejandro Gabriel	New York	NY		
Tresser; Charles P.	Mamaroneck	NY		
von Gutfeld; Robert Jacob	New York	NY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE ZIP CODE	COUNTRY	TYPE	CODE
International Business Machines Corporation	Armonk NY			02	

APPL-NO: 09/ 182269 [PALM]

DATE FILED: October 29, 1998

PARENT-CASE:

This application is related to application Ser. No. 09/182,279 filed on Oct. 29, 1998 by A. Afzali-Ardakani et al entitled "Method and System for Preventing Parallel Marketing of Wholesale and Retail Items"; and to application Ser. No. 09/182,280 filed on Oct. 28, 1998 by D. Coppersmith et al entitled "System for Protection of Goods Against Counterfeiting"; which related Applications are being filed contemporaneously with this application. The entire disclosure of each of these applications is incorporated by reference herein. Each of these three applications is copending and commonly assigned.

INT-CL: [07] G06 F 17/60 ✓US-CL-ISSUED: 705/1; 705/23 ✓
US-CL-CURRENT: 705/1; 705/23

FIELD-OF-SEARCH: 235/380, 235/383, 340/825.34, 705/1, 705/23, 283/72, 283/74, 283/79, 283/81, 283/82, 283/83, 283/85

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected	Search All	Clear
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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4630845</u>	December 1986	Sanner	340/825.34
<input type="checkbox"/> <u>4686515</u>	August 1987	Anderson et al.	340/825.34
<input type="checkbox"/> <u>4816824</u>	March 1989	Katz et al.	340/825.34
<input type="checkbox"/> <u>5160171</u>	November 1992	Gregory et al.	283/91
<input type="checkbox"/> <u>5360628</u>	November 1994	Butland	427/7
<input type="checkbox"/> <u>5442433</u>	August 1995	Hoshino et al.	356/71
<input type="checkbox"/> <u>5583631</u>	December 1996	Lazzerini	356/71
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<input type="checkbox"/> <u>5762377</u>	June 1998	Chamberlain	283/67
<input type="checkbox"/> <u>5818021</u>	October 1998	Szewczykowski	235/380
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<input type="checkbox"/> <u>5895073</u>	April 1999	Moore	283/70
<input type="checkbox"/> <u>5917925</u>	June 1999	Moore	382/101
<input type="checkbox"/> <u>5979941</u>	November 1999	Mosher, Jr. et al.	283/67

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Hook, C., Automatic I.D. News Europe, Jan./Feb. 1997, vol. 6 Issue 1, p25, 3p.*
 Hook, C., Automatic I.D. News Europe, Sep. 1997, vol. 6, Issue 7, p28, 4p.*
 Conrad, A., Apparel Industry, Sep. 1996, vol. 57 Issue 9, p22, 5p.

ART-UNIT: 211

PRIMARY-EXAMINER: Trammell; James P.

ASSISTANT-EXAMINER: Chung; Chang Y.

ATTY-AGENT-FIRM: McGinn & Gibb, P.C. Kaufman, Esq.; Stephen C.

ABSTRACT:

A method and system for preventing counterfeiting of an item, include an interrogatable tag attached to the item. The item includes visible indicia for comparison with secret, non-duplicable information stored in the tag designating

authenticity.

33 Claims, 7 Drawing figures

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L4: Entry 9 of 9

File: USPT

Oct 26, 1999

US-PAT-NO: 5974150

DOCUMENT-IDENTIFIER: US 5974150 A

TITLE: System and method for authentication of goods

DATE-ISSUED: October 26, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kaish; Norman	West Hampstead	NY		
Fraser; Jay	Freeport	NY		
Durst; David I.	Syosset	NY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Tracer Detection Technology Corp.	Syosset	NY			02

APPL-NO: 09/ 110315 [PALM]

DATE FILED: July 6, 1998

PARENT-CASE:

The present application claims the benefit of priority from copending U.S. Provisional Patent Application Serial No. 60/061,398 filed on Sep. 30, 1997. RELATED APPLICATIONS The present application is related to Ramsey et al., U.S. patent application Ser. No. 08/141,389, "Counterfeit-Resistant Materials and a Method and Apparatus for Authenticating Materials", assigned to Martin Marietta Energy Systems, Inc.

INT-CL: [06] H04 K 1/00

US-CL-ISSUED: 380/25, 380/51

US-CL-CURRENT: 713/170, 283/86, 380/51, 713/168

FIELD-OF-SEARCH: 380/54, 380/59, 380/55, 380/3, 380/23, 359/2, 283/91, 283/92, 283/901, 283/904

PRIOR-ART-DISCLOSED:

U. S. PATENT DOCUMENTS

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PAT-NO

ISSUE-DATE

PATENTEE-NAME

US-CL

<input type="checkbox"/>	<u>3391479</u>	July 1968	Buzzell et al.	350/396
<input type="checkbox"/>	<u>3701165</u>	October 1972	Huddlester	2/243R
<input type="checkbox"/>	<u>3839637</u>	October 1974	Willis	250/302
<input type="checkbox"/>	<u>3880706</u>	April 1975	Williams	162/103
<input type="checkbox"/>	<u>3942154</u>	March 1976	Akami et al.	340/146.3B
<input type="checkbox"/>	<u>4138058</u>	February 1979	Atalla	235/380
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<input type="checkbox"/>	<u>4247318</u>	January 1981	Lee et al.	156/163
<input type="checkbox"/>	<u>4437935</u>	March 1984	Crane, Jr.	162/103
<input type="checkbox"/>	<u>4514085</u>	April 1985	Raye	356/71
<input type="checkbox"/>	<u>4552617</u>	November 1985	Crane	162/103
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<input type="checkbox"/>	<u>5384846</u>	January 1995	Berson et al.	380/23
<input type="checkbox"/>	<u>5388158</u>	February 1995	Berson	380/23
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<input type="checkbox"/>	<u>5592561</u>	January 1997	Moore	382/103
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<input type="checkbox"/>	<u>5719939</u>	February 1998	Tel	380/23
<input type="checkbox"/>	<u>5799092</u>	August 1998	Krastol et al.	380/51

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VanWiggern and Roy, "Communication w/ Chaotic Lasers," Science 279:pp. 1198-1200 Feb. 20, 1998.
Garthier, D.J., "Chaos Has Come Again," Science 279:pp. 1156-1157 Feb. 20, 1998.

ART-UNIT: 277

PRIMARY-EXAMINER: Swann; Tod R.

ASSISTANT-EXAMINER: Coddington; Trevor

ATTY-AGENT-FIRM: Mild, Hoffberg & Macklin, LLP

ABSTRACT:

An authentication system comprising a medium having a plurality of elements, the elements being distinctive, detectable and disposed in an irregular pattern or having an intrinsic irregularity. Each element is characterized by a determinable attribute distinct from a two-dimensional coordinate representation of simple optical absorption or simple optical reflection intensity. An attribute and position of the plurality of elements, with respect to a positional reference is detected. A processor generates an encrypted message including at least a portion of the attribute and position of the plurality of elements. The encrypted message is recorded in physical association with the medium. The elements are preferably dichroic fibers, and the attribute is preferably a polarization or dichroic axis, which may vary over the length of a fiber. An authentication of the medium based on the encrypted message may be authenticated with a statistical tolerance, based on a vector mapping of the elements of the medium, without requiring a complete image of the medium and elements to be recorded.

52 Claims, 5 Drawing figures

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